

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P799920

Luminaire Tested: **LD6C60D010 EU6609035 6LBMDDWWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799920  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C60D010 EU6609035 6LBMDDWWH  
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

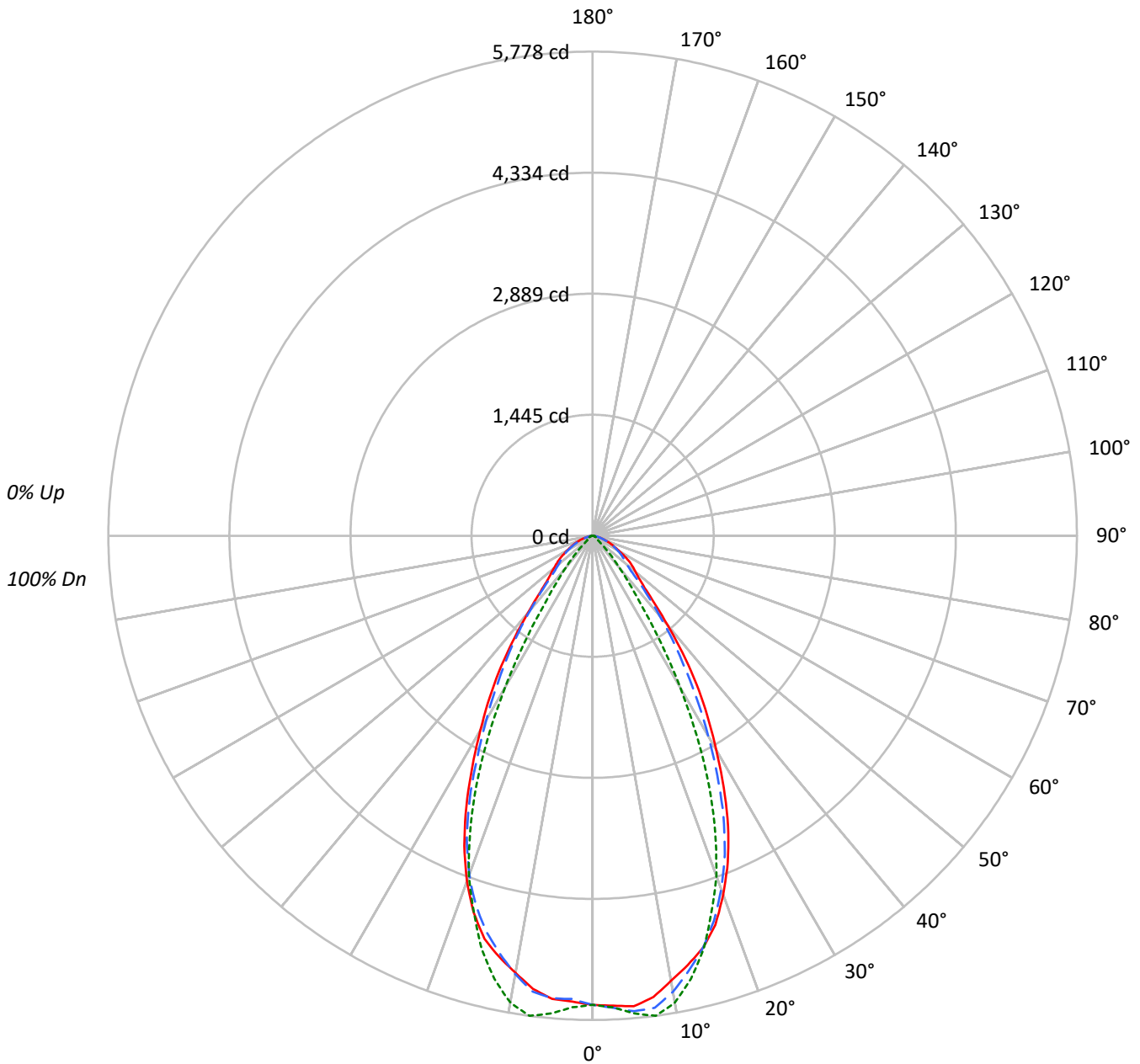
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5700.0 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91								
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83								
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76								
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70								
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64								
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59								
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55								
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51								
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48								
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	306933	306933	306933
5°	310141	314846	305282
10°	300095	314841	294862
15°	288827	289962	282686
20°	265825	251870	255855
25°	231346	198616	215498
30°	186579	131957	169273
35°	144654	68041	127120
40°	99250	35259	85596
45°	67999	17661	60053
50°	56595	7531	51487
55°	50904	6528	46001
60°	40282	6249	38407
65°	33246	5539	32883
70°	26928	5017	26928
75°	19910	5422	21117
80°	11681	4483	12596
85°	8932	5346	8932



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	533.0	9.4
10°-20°	1398.8	24.5
20°-30°	1596.7	28.0
30°-40°	1058.9	18.6
40°-50°	510.7	9.0
50°-60°	314.2	5.5
60°-70°	190.1	3.3
70°-80°	80.0	1.4
80°-90°	17.6	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3528.5	61.9
0°-40°	4587.4	80.5
0°-60°	5412.3	95.0
0°-90°	5700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5700.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	5599	5599	5599	5599	5599	
5°	5636	5696	5721	5539	5548	530
15°	5089	5089	5109	4893	4981	1418
25°	3825	3696	3284	3474	3563	1734
35°	2162	1905	1017	1777	1900	1337
45°	877	769	228	718	775	715
55°	533	433	68	433	481	468
65°	256	245	43	231	254	257
75°	94	94	26	88	100	100
85°	14	20	8	14	14	18
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9	5598.9
2.5°	5613.1	5621.7	5638.8	5641.6	5633.1	5579.0	5533.4	5550.5	5564.7
5°	5635.9	5653.0	5695.7	5735.6	5721.4	5630.2	5539.1	5536.3	5547.6
7.5°	5553.3	5593.2	5681.5	5781.2	5778.3	5621.7	5487.8	5453.7	5453.7
10°	5391.0	5428.0	5524.9	5658.7	5655.9	5459.4	5311.3	5294.2	5297.0
12.5°	5245.8	5262.9	5311.3	5416.6	5416.6	5223.0	5109.1	5126.2	5148.9
15°	5089.1	5100.5	5089.1	5123.3	5109.1	4949.6	4892.6	4946.7	4980.9
17.5°	4867.0	4872.7	4812.9	4767.3	4713.2	4613.5	4627.8	4707.5	4716.1
20°	4556.6	4593.6	4485.4	4368.6	4317.4	4223.4	4303.1	4391.4	4385.7
22.5°	4214.8	4257.6	4118.0	3924.4	3819.0	3782.0	3924.4	4004.1	4001.3
25°	3824.7	3856.0	3696.5	3426.0	3283.6	3277.9	3474.4	3557.0	3562.7
27.5°	3386.1	3397.5	3218.1	2865.0	2688.4	2731.1	2978.9	3092.8	3107.0
30°	2947.5	2941.8	2756.7	2318.2	2084.6	2201.4	2534.6	2659.9	2674.1
32.5°	2546.0	2528.9	2318.2	1794.2	1515.1	1688.8	2127.4	2258.4	2281.1
35°	2161.5	2133.1	1905.2	1327.1	1016.7	1275.8	1777.1	1891.0	1899.5
37.5°	1760.0	1745.7	1566.3	993.9	709.1	968.3	1449.6	1532.2	1523.6
40°	1386.9	1386.9	1238.8	737.6	492.7	720.5	1147.7	1221.7	1196.1
42.5°	1087.9	1102.1	976.8	543.9	350.3	535.4	908.5	976.8	948.3
45°	877.1	877.1	768.9	404.4	227.8	398.7	717.7	780.3	774.6
47.5°	743.3	731.9	623.7	296.2	125.3	299.0	603.7	680.6	677.8
50°	663.6	646.5	535.4	233.5	88.3	247.8	529.7	600.9	603.7
52.5°	600.9	575.3	481.3	207.9	76.9	216.4	481.3	538.2	538.2
55°	532.6	518.3	432.9	185.1	68.3	193.7	432.9	484.1	481.3
57.5°	450.0	447.1	387.3	168.0	62.7	170.9	387.3	418.6	407.2
60°	367.4	378.8	336.0	150.9	57.0	153.8	330.4	356.0	350.3
62.5°	307.6	321.8	293.3	133.8	48.4	136.7	279.1	304.7	299.0
65°	256.3	267.7	244.9	113.9	42.7	113.9	230.7	253.5	253.5
67.5°	210.7	219.3	202.2	94.0	37.0	94.0	188.0	207.9	210.7
70°	168.0	173.7	159.5	74.0	31.3	76.9	148.1	168.0	168.0
72.5°	131.0	133.8	125.3	59.8	28.5	59.8	113.9	131.0	131.0
75°	94.0	99.7	94.0	45.6	25.6	45.6	88.3	96.8	99.7
77.5°	54.1	68.3	68.3	37.0	19.9	34.2	62.7	65.5	65.5
80°	37.0	42.7	48.4	25.6	14.2	25.6	39.9	42.7	39.9
82.5°	25.6	28.5	28.5	17.1	11.4	17.1	25.6	28.5	25.6
85°	14.2	19.9	19.9	14.2	8.5	11.4	14.2	17.1	14.2
87.5°	8.5	11.4	14.2	11.4	8.5	8.5	8.5	8.5	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)